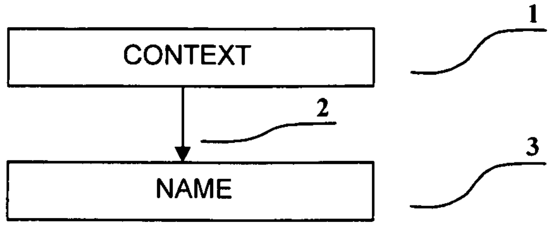


FIG. 1

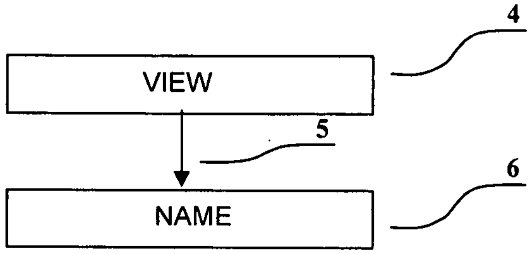


FIG. 2

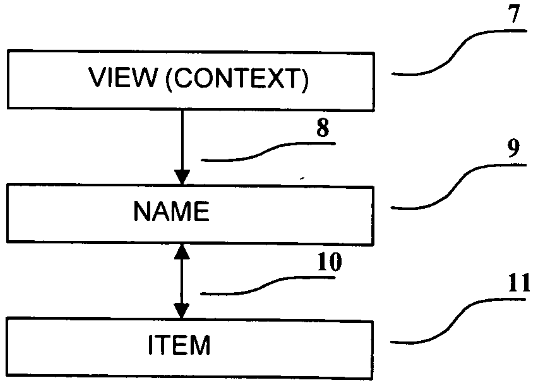


FIG. 3

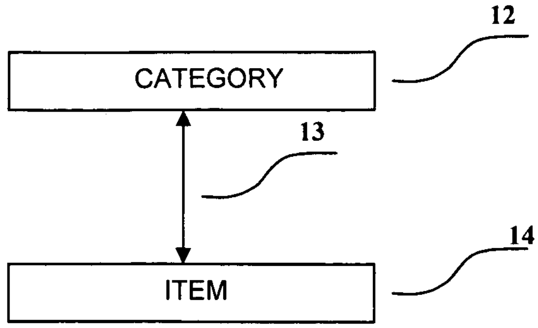

CATEGORY
12
13
ITEM
14

FIG. 4

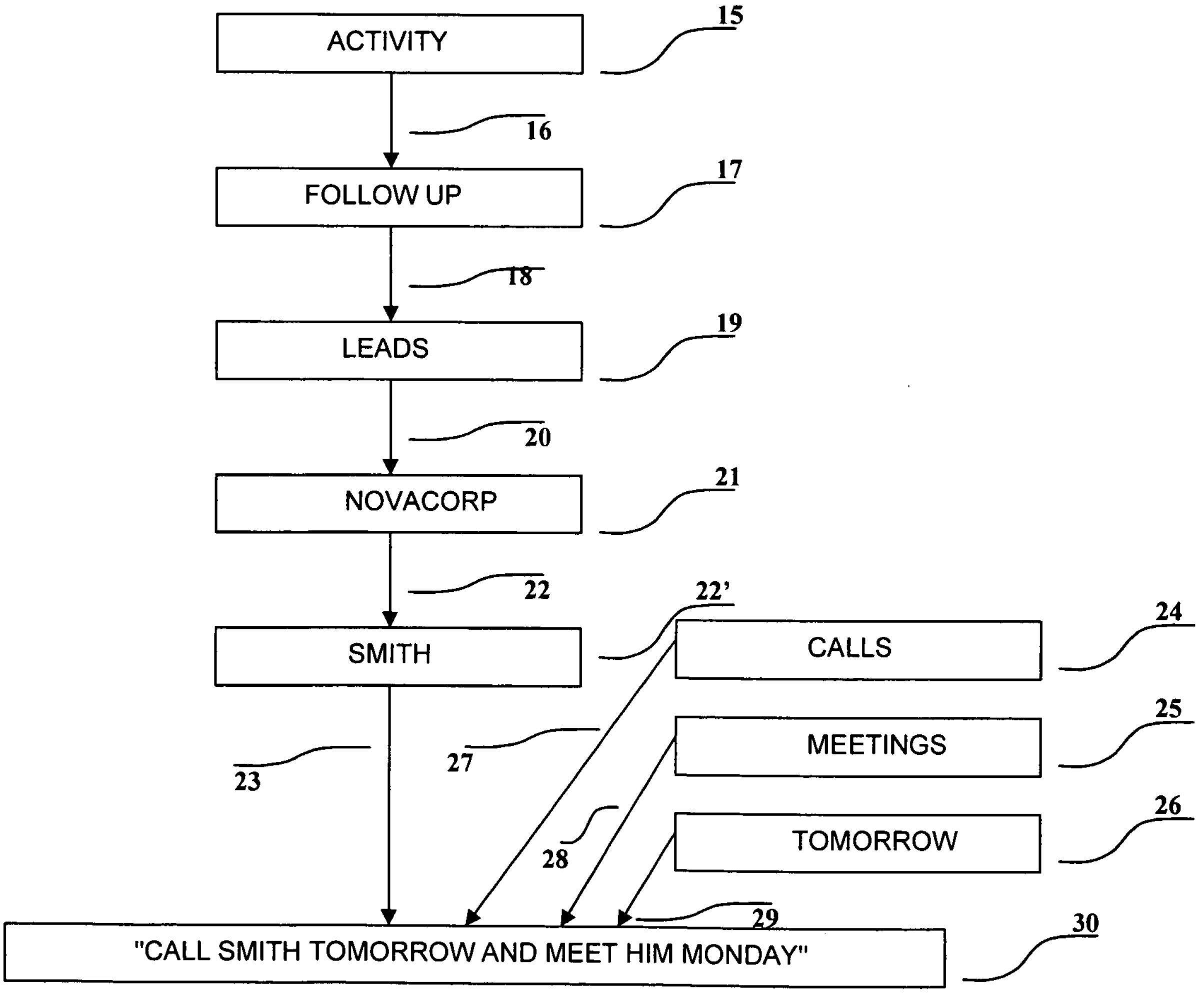

ACTIVITY
15
16
FOLLOW UP
17
18
LEADS
19
20
NOVACORP
21
22
SMITH
22'
CALLS
24
MEETINGS
25
TOMORROW
26
23
27
28
29
"CALL SMITH TOMORROW AND MEET HIM MONDAY"
30

FIG. 5

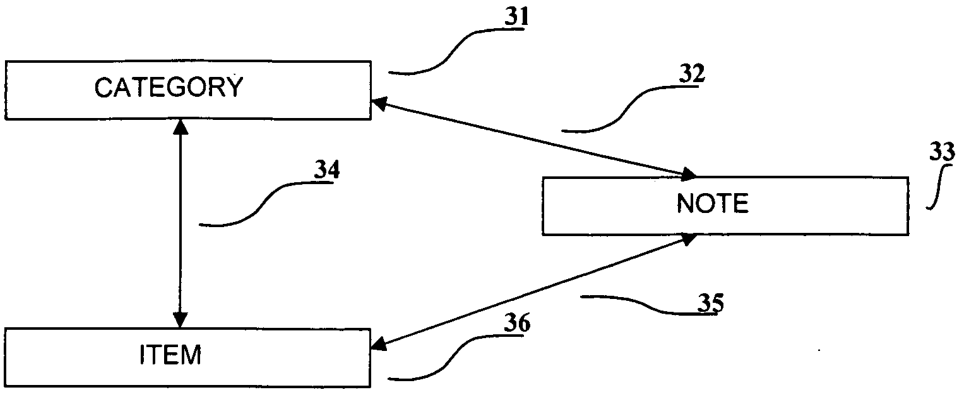

31
CATEGORY
32
33
NOTE
34
35
36
ITEM

FIG. 6

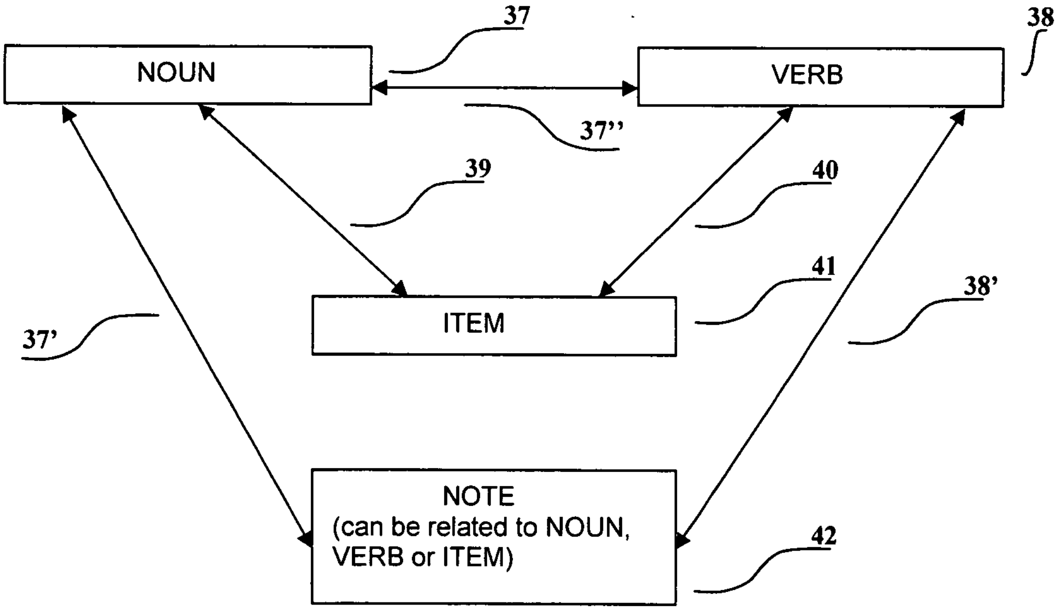

37
38
NOUN
VERB
37''
39
40
41
38'
37'
ITEM
NOTE
(can be related to NOUN,
VERB or ITEM)
42

FIG. 7

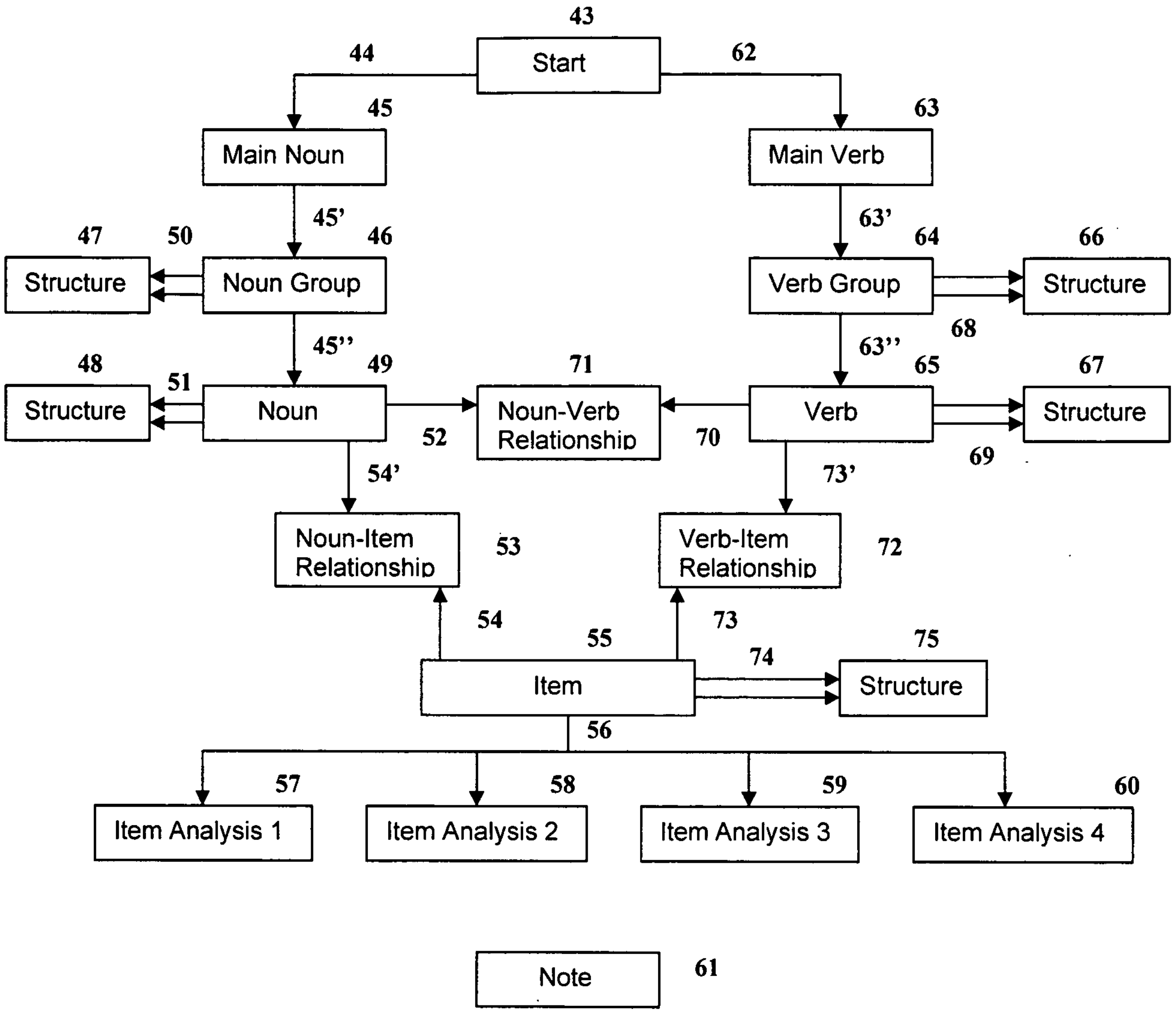

43
Start
44
62
45
Main Noun
63
Main Verb
45'
63'
47
50
46
64
66
Structure
Noun Group
Verb Group
Structure
68
45''
63''
48
51
49
71
65
67
Structure
Noun
Noun-Verb Relationship
Verb
Structure
52
70
69
54'
73'
Noun-Item Relationship
53
Verb-Item Relationship
72
54
73
55
75
74
Item
Structure
56
57
58
59
60
Item Analysis 1
Item Analysis 2
Item Analysis 3
Item Analysis 4
Note
61

FIG. 8

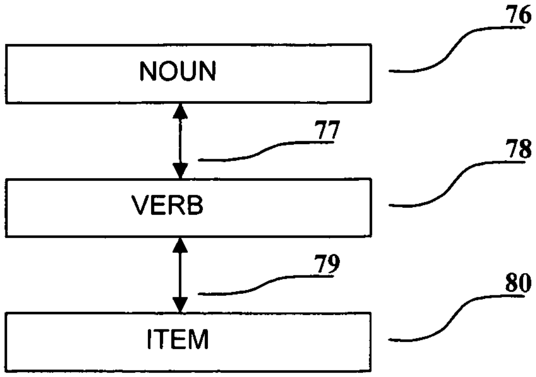


FIG. 9

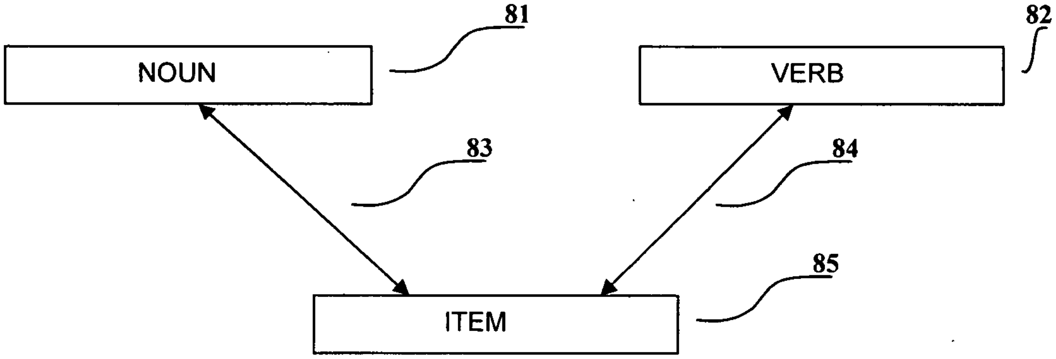


FIG. 10

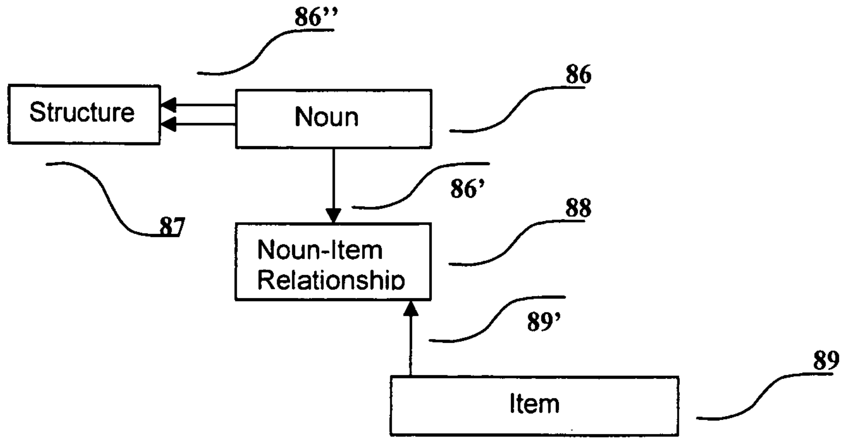
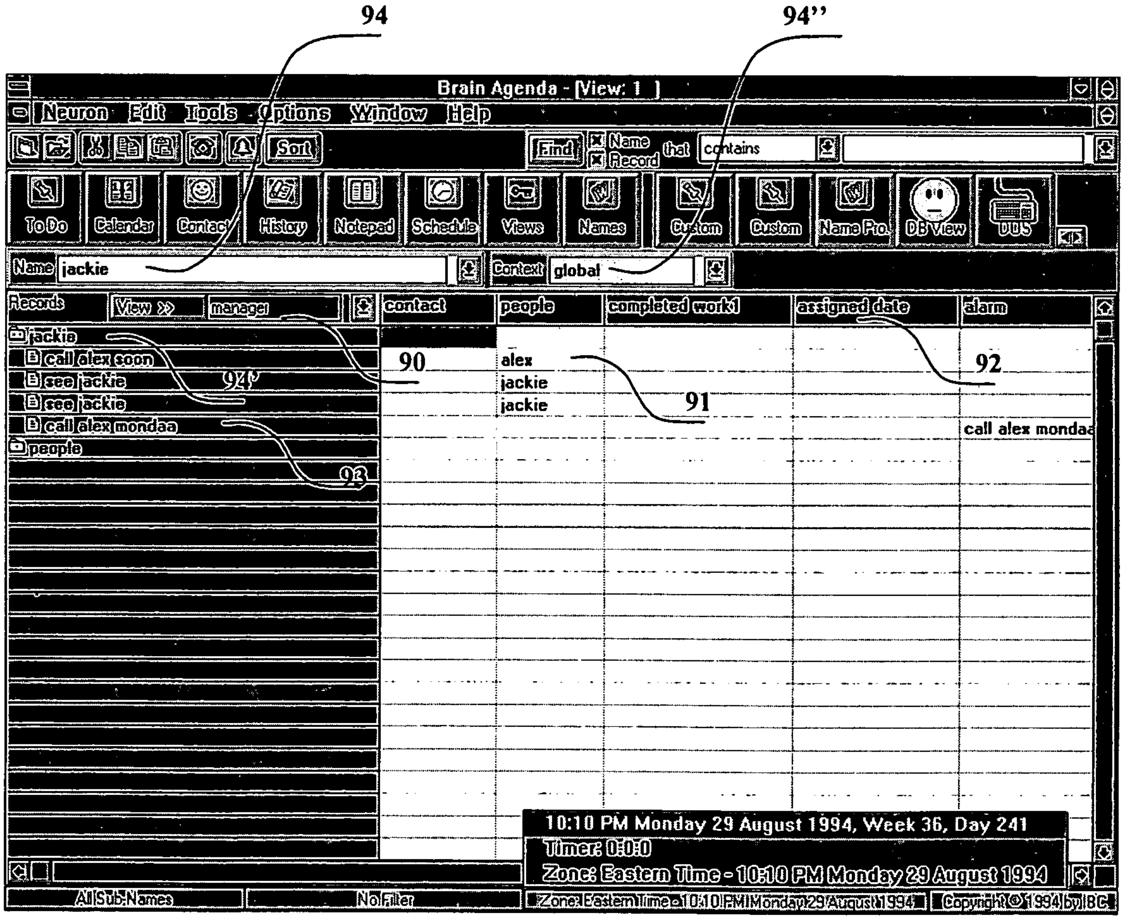


FIG. 11



Name: jackie

Context: global

Find ☒ Name ☒ Record that contains

Records | View >> | manager

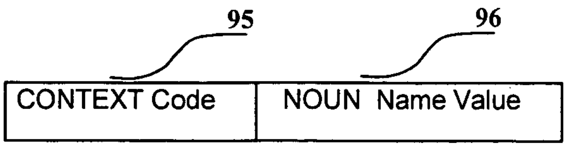
- jackie
  - call alex soon
  - see jackie
  - see jackie
  - call alex mondaa
- people

contact	people	completed work1	assigned date	alarm
	alex			
	jackie			
	jackie			
				call alex mondaa

10:10 PM Monday 29 August 1994, Week 36, Day 241
Timer: 0:0:0
Zone: Eastern Time - 10:10 PM Monday 29 August 1994

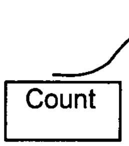
All Sub-Names | No Filter | Zone: Eastern Time - 10:10 PM Monday 29 August 1994 | Copyright © 1994 by IBC

FIG. 12



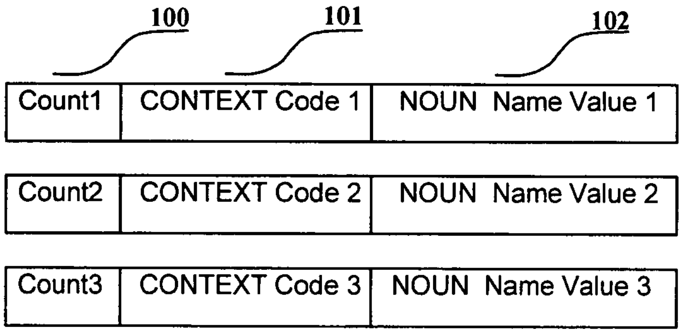
CONTEXT Code	NOUN Name Value

FIG. 13



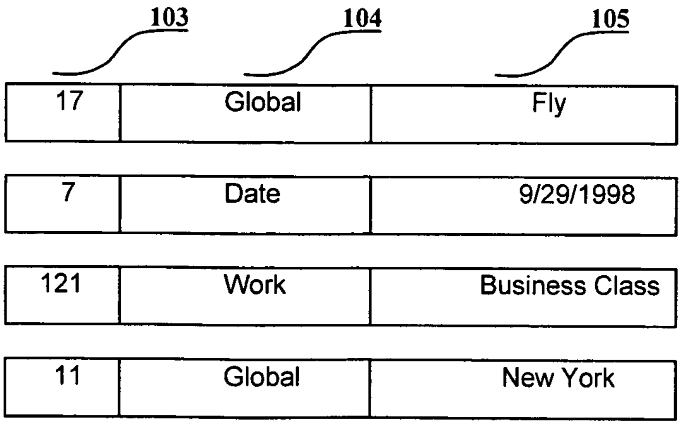
Count

FIG. 14



Count1	CONTEXT Code 1	NOUN Name Value 1
Count2	CONTEXT Code 2	NOUN Name Value 2
Count3	CONTEXT Code 3	NOUN Name Value 3

FIG. 15



17	Global	Fly
7	Date	9/29/1998
121	Work	Business Class
11	Global	New York

FIG. 16

```
/**********************************************************************
/
/*
*/
/*             BRAIN     Schema for the database BRAIN.
*/
/*                       Global schema for every neuron.
*/
/*
*/
/*  Identyfication:
*/
/*                    1000-0-00-00-00
*/
/*                    ---- - -- -- --       neuron   0001/.../1000
*/
/*                                          portion  0/1/2
*/
/*                                          relation 00/10/.../54
*/
/*                                          release   1
*/
/*                                          version   1
*/
/*
*/
/*              Portion     1
*/
/*                          0              Abstraction
*/
/*                          1              Reality
*/
/*                          2              Abstraction-Reality
relation*/
/*
*/
/*              Part        11             Noun+Data+Doc
*/
/*                          10             Noun
*/
/*                          14             Noun-Data
*/
/*                          15             Noun-Doc
*/
/*                          40             Data
*/
/*                          45             Data-Doc
*/
/*                          50             Doc
*/
/*
*/
/*              Release     01
*/
```

FIG. 17A

```
/*                         01             Alpha release
*/
/*                         02             Beta  release
*/
/*
*/
/*             Version     01
*/
/*                         01             Alpha version
*/
/*                         02             Beta  version
*/
/*
*/
/***********************************************************************
/
/* Module name : Brain Agenda - Personal Information Manager
*/
/*               NEURON_1000
*/
/***********************************************************************
/
/* Implemented : RAIMA, db_VISTA III
*/
/*
*/
/* Compile type: ddp
*/
/*               def. ddlp -rxbds brain.ddl
*/
/*                    -r - report
*/
/*                     x - cross reference
*/
/*                     b - no alignment
*/
/*                     d - dupl. field names
*/
/*                     s - case preserve
*/
/***********************************************************************
/
/* 1. | BRAIN   | 1991.09.01 | New
*/
/***********************************************************************
/
/* 1000-0-00-00-00    6144*/
database BRAIN [6144]
  {
    data file "F100010.00" contains
/* 1000-0-10-00-00 */
                                          noun;
    data file "F100011.00" contains
/* 1000-0-11-00-00 */
```

FIG. 17B

```
                              datar,
                              datar_tabl;
    data file "F100012.00" contains
/* 1000-0-11-00-00 */
                              noun_datar,
                              noun_str,
                                        noun_synonim,
                              datar_str,
                                        action_before,
                              action_after;

     data file "F100019.00" contains
/* 1000-0-10-00-00 */
                              brain,
/* 1000-0-50-00-00 */
                              note;

    key  file "F100010.00K" contains
                              noun.id;
    key  file "F100011.00K" contains
                              datar.id;
    key  file "F100019.00K" contains
                              note.id;
/*********************************************************************
/
/* Sub-schema  : BRAIN - NOUN
*/
/* Description : Noun (Parameter) part of BRAIN
*/
/*********************************************************************
/
/* Record type : brain
*/
/* Description : Start of the NEURON  1000
*/
/*********************************************************************
/
    record brain
      {
      char           db_path [81];      /* Path to database          */
      char           db_name [81];      /* name of the db "brain"    */
      struct
          {
          long           type_v;       /* noun type, view id       */
          char           kname_v [41]; /* noun 40B + 1B null termin*/
          long           subtype_v;    /* noun subtype, def = 0    */
        } id_v;
          char           name_v [256]; /*                          */
        struct
          {
          long           type_n;       /* noun type, name id       */
          char           kname_n [41]; /* noun 40B + 1B null termin*/
          long           subtype_n;    /* noun subtype, def = 0    */
          long           type2_n;      /* noun 2 type, def = 0     */
```

FIG. 17C

```
          char          kname2_n [41];/* noun 40B + 1B null termin*/
          long          subtype2_n;   /* noun subtype, def = 0    */
          } id_n;
            char          name_n [256];   /*
*/
      long           read_action;       /* action on load           */
      long           next_1;            /* next available ???       */
      long           next_2;            /* number for extention     */
      long           next_3;            /* noun ext.,noun definition*/
      long           value_1 ;          /*                          */
      long           value_2 ;          /*                          */
      long           value_3 ;          /*                          */
      double         double_1;          /*                          */
      double         double_2;          /*                          */
      double         double_3;          /*                          */
      char           reserve_1[41];     /*                          */
      char           reserve_2[41];     /*                          */
      char           free[5001];        /*                          */
      }
/**********************************************************************
/
/* Record type : noun
*/
/* Description : names (views,names,contexts)
*/
/**********************************************************************
/
    record noun
      {
        unique key struct
          {
          long          type;       /* noun type, def = 0       */
          char          kname [41]; /* noun 40B + 1B null termin*/
          long          subtype;    /* noun subtype, def = 0    */
          long          type2;      /* noun 2 type, def = 0     */
          char          kname2 [41];/* noun 40B + 1B null termin*/
          long          subtype2;   /* noun subtype, def = 0    */
          } id;
          char          name[256]; /* 255+1                    */
      struct
          {
          long          type_p;       /* noun type, pair id       */
          char          kname_p [41]; /* noun 40B + 1B null termin*/
          long          subtype_p;    /* noun subtype, def = 0    */
        } id_p;
            long   cf;                /* certainity factor        */
            long   delete;            /*                          */
            long   joint_id;          /* neuron||joint     long   */
            long   read_action;       /* action on read           */
            double date_create;       /*                          */
            double date_when;         /*                          */
            double date_done;         /*                          */
            double date_start;        /*                          */
            double date_end;          /*                          */
```

FIG. 17D

```
          char     short_name [21];      /*           1B null termin*/
          char     cat_type [11];        /*           1B null termin*/
          char     exclusive [2];        /*           1B null termin*/
          char     settings [41];        /*           1B null termin*/
          long     layout_link;     /* type of layout for linked note*/
      struct
        {
          long          type_link;       /* link to extention which  */
          char          kname_link [41];/* is in note                */
          long          subtype_link;    /*reserve the range of notes*/
        } id_link;
      struct
        {
            long   type_note;          /* note id                    */
            char   kname_note [41];    /* note name                  */
            long   subtype_note;       /* note page                  */
        } id_note;
            long   position_note;      /*         in document/page */
            char   free_1  [101];
            char   free_2  [101];
            char   reserve_1[21];      /*3 sets person company     */
            char   reserve_2[11];      /*       notes (commence)   */
            char   reserve_3[11];      /*       notes (commence)   */
      }
/***********************************************************************
/
/* Record type : datar                                    */
/* Description : records from Brain Agenda
*/
/***********************************************************************
/
    record datar
      {
        unique key struct
          {
          long          type;       /* data type, def = 0       */
          char          kname [41]; /* data 40B + 1B null termin*/
          long          subtype;    /* data subtype, def = 0    */
        } id;
          char          name[256]; /* 255+1                    */
                long   cf;                /* certainity factor
*/
            long   delete;            /*                           */
                long   joint_id;          /* neuron||joint     long
*/
            long   read_action;       /* action on read            */
            double date_create;       /*                           */
            double date_when;         /*                           */
            double date_done;         /*                           */
            double date_start;        /*                           */
            double date_end;          /*                           */
            char   settings [41];     /*             1B null termin*/
      struct
        {
```

FIG. 17E

```
            long   type_note;         /* note id                   */
            char   kname_note [41];   /* note name                 */
            long   subtype_note;      /* note page                 */
        } id_note;
            long   position_note;     /*         in document/page */
            long   long_1;            /*                           */
            char   reserve_1[11];     /*                           */
            char   reserve_2[11];     /*                           */
            char   reserve_3[11];     /*                           */
            char   reserve_4[11];     /*                           */
     }
/**********************************************************************
/
/* Record type : datar_tabl                                        */
/* Description : data tables
*/
/**********************************************************************
/
    record datar_tabl
      {
            long   elem [120];        /* 120 elements              */
            long   cf;                /* certainity factor         */
            long   delete;            /*                           */
            double date_create;       /*                           */
            long   read_action;       /* action on read            */
            double double_1;          /*                           */
            char   reserve_1[11];     /*                           */
            char   reserve_2[21];     /*                           */
    }
/**********************************************************************
/
/* Record type : note
*/
/* Description : notes (pages ) document
*/
/**********************************************************************
/
    record note
       {
        unique key struct
          {
          long          from;       /* doc id +datar,-name,0-user  */
          long          type;       /* from record or name         */
          char          kname [41]; /* chapter||paragraph||verse
blank*/
          long          subtype;    /* for user=0                  */
          long          page_nr;    /* page nr                     */
        } id;
          char          name [256];    /*                          */
            long   cf;                /* certainity factor        */
            char   chapter  [101];    /*     left on page         */
            char   chapter_1[101];    /*     left on page         */
            char   chapter_2[101];    /*     left on page         */
            char   chapter_3[101];    /*     left on page         */
```

FIG. 17F

```
            char   chapter_4[101];   /*     left on page         */
            char   chapter_5[101];   /*     left on page         */
            char   chapter_6[101];   /*     left on page         */
            long   verse;            /*     left on page         */
            char   page [5001];      /* page   5001              */
            long   delete;           /*                          */
            long   read_action;      /* action on read           */
            char   reserve_1 [11];
            char   reserve_2 [11];
            char   reserve_3 [11];
            char   reserve_4 [11];
      }
/**********************************************************************
/
/* Record type : noun_str
*/
/* Description : structure of the noun
*/
/**********************************************************************
/
    record noun_str
      {
            long   cf;               /* certainity factor        */
            double date_create;      /*                          */
            long   read_action;      /* action on read           */
            double double_1;         /*                          */
            char   reserve_2[11];    /*                          */
            char   reserve_3[11];    /*                          */
      }
/**********************************************************************
/
/* Record type : noun_datar
*/
/* Description : relation noun - datar                         */
/**********************************************************************
/
    record noun_datar
      {
            long   cf;               /* certainity factor        */
            double date_create;      /*                          */
            long   read_action;      /* action on read           */
            double double_1;         /*                          */
            char   reserve_2[11];    /*                          */
            char   reserve_3[11];    /*                          */
      }
/**********************************************************************
/
/* Record type : action before
*/
/* Description : must belong to the datar before being assigned to
*/
/*                the current datar                       */
/**********************************************************************
/
```

FIG. 17G

```
    record action_before
      {
            long   cf;                /* certainity factor        */
            double date_create;       /*                          */
            long   read_action;       /* action on read           */
            double double_1;          /*                          */
            char   reserve_2[11];     /*                          */
            char   reserve_3[11];     /*                          */
      }
/**********************************************************************
/
/* Record type : noun action after
*/
/* Description : is assigned to noun after being assigned to
*/
/*              the current noun
*/
/**********************************************************************
/
    record action_after
      {
            long   cf;                /* certainity factor        */
            double date_create;       /*                          */
            long   read_action;       /* action on read           */
            double double_1;          /*                          */
            char   reserve_2[11];     /*                          */
            char   reserve_3[11];     /*                          */
      }
/**********************************************************************
/
/* Record type : noun_synonim
*/
/* Description : all synonims for a noun
*/
/**********************************************************************
/
    record noun_synonim
      {
            long   cf;                /* certainity factor        */
            double date_create;       /*                          */
            long   read_action;       /* action on read           */
            double double_1;          /*                          */
            char   reserve_2[11];     /*                          */
            char   reserve_3[11];     /*                          */
      }
/**********************************************************************
/
/* Record type : datar_str
*/
/* Description : structure of the datar
*/
/**********************************************************************
/
    record datar_str
```

FIG. 17H

```
      {
            long   cf;                /* certainity factor        */
            double date_create;       /*                          */
            long   read_action;       /* action on read           */
            double double_1;          /*                          */
            char   reserve_2[11];     /*                          */
            char   reserve_3[11];     /*                          */
      }
/*********************************************************************
/
/* Set type    : noun_set
*/
/* Description : Search path for noun
*/
/*********************************************************************
/
    set noun_set
      {
        order descending;
        owner brain;
      member noun by cf;
      }
/*********************************************************************
/
/* Set type    : datar set
*/
/* Description : Search path for datar record
*/
/*********************************************************************
/
    set datar_set
      {
        order descending;
      owner noun;
      member noun_datar by cf;
      }
/*********************************************************************
/
/* Set type    : datar_noun set
*/
/* Description : Search path for noun from datar
*/
/*********************************************************************
/
    set datar_noun_set
      {
        order descending;
      owner datar;
      member noun_datar by cf;
      }
/*********************************************************************
/
/* Set type    : noun_synonim_exp_set
*/
```

FIG. 17I

```
/* Description : Search path for noun synonim explosion
*/
/**********************************************************************
/
    set noun_synonim_exp_set
      {
        order descending;
      owner noun;
      member noun_synonim by cf;
      }
/**********************************************************************
/
/* Set type    : noun_synonim_imp_set
*/
/* Description : Search path for noun synonim implosion
*/
/**********************************************************************
/
    set noun_synonim_imp_set
      {
        order descending;
      owner noun;
      member noun_synonim by cf;
      }
/**********************************************************************
/
/* Set type    : noun_exp_set
*/
/* Description : Search path for noun explosion
*/
/**********************************************************************
/
    set noun_exp_set
      {
        order descending;
      owner noun;
      member noun_str by cf;
      }
/**********************************************************************
/
/* Set type    : noun_imp_set
*/
/* Description : Search path for noun record from noun_str
*/
/**********************************************************************
/
    set noun_imp_set
      {
        order descending;
      owner noun;
      member noun_str by cf;
      }
/**********************************************************************
/
```

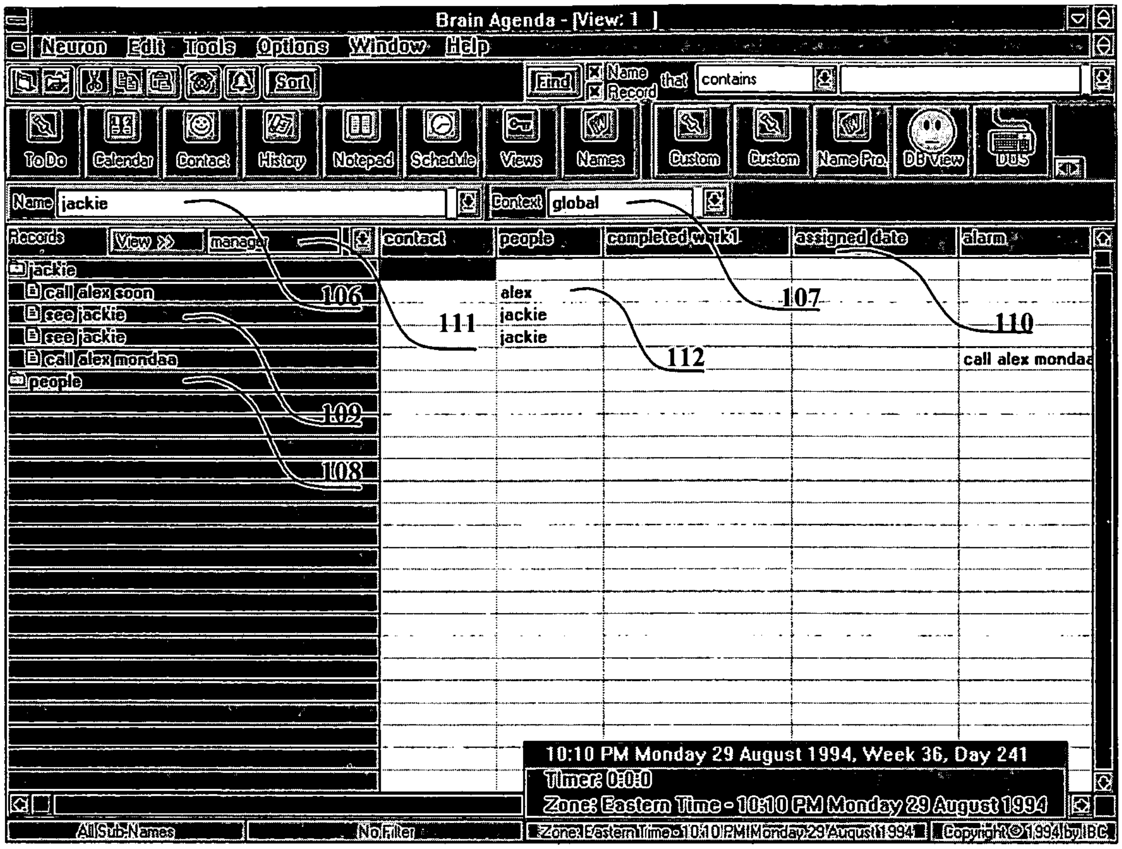
FIG. 17J

```
/* Set type    : datar_exp_set
*/
/* Description : Search path for datar explosion
*/
/***********************************************************************
/
    set datar_exp_set
      {
        order descending;
      owner datar;
      member datar_str by cf;
      }
/***********************************************************************
/
/* Set type    : datar_imp_set
*/
/* Description : Search path for datar record from datar_str
*/
/***********************************************************************
/
    set datar_imp_set
      {
        order descending;
      owner datar;
      member datar_str by cf;
      }
/***********************************************************************
/
/* Set type    : action_before_exp set
*/
/* Description : Search path for action_before from noun
*/
/***********************************************************************
/
    set action_before_exp_set
      {
        order descending;
      owner noun;
      member action_before by cf;
      }
/***********************************************************************
/
/* Set type    : action_before_imp set
*/
/* Description : Search path for action_before from noun
*/
/***********************************************************************
/
    set action_before_imp_set
      {
        order descending;
      owner noun;
      member action_before by cf;
      }
```

FIG. 17K

```
/**********************************************************************
/
/* Set type    : action_after_exp set
*/
/* Description : Search path for action_after from noun
*/
/**********************************************************************
/
    set action_after_exp_set
      {
        order descending;
      owner noun;
      member action_after by cf;
      }
/**********************************************************************
/
/* Set type    : action_after_imp set
*/
/* Description : Search path for action_after from noun
*/
/**********************************************************************
/
    set action_after_imp_set
      {
        order descending;
      owner noun;
      member action_after by cf;
      }
/**********************************************************************
/
/* Set type    : datar_tabl set
*/
/* Description : Search path for datar_tabl from datar
*/
/**********************************************************************
/
    set datar_tabl_set
      {
        order descending;
      owner datar;
      member datar_tabl by cf;
      }
/* 1000-0-00-00-00 */
  }
/**********************************************************************
/
/* End of Schema: Brain Agenda
*/
/**********************************************************************
/
```

FIG. 17L



Brain Agenda - [View: 1]

☒ Name ☒ Record that contains

Name jackie

Context global

Records View >> manager	contact	people	completed work1	assigned date	alarm
jackie					
call alex soon		alex			
see jackie		jackie			
see jackie		jackie			
call alex mondaa					call alex mondaa
people					

10:10 PM Monday 29 August 1994, Week 36, Day 241

Timer: 0:0:0

Zone: Eastern Time - 10:10 PM Monday 29 August 1994

All Sub Names | No Filter | Zone: Eastern Time - 10:10 PM Monday 29 August 1994 | Copyright © 1994 by IBC

FIG. 18